Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/08/2015 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125359	0	1.50	125161	1.40
Blue	F	SSC	125000	124495	-1	2.66	125408	2.28
Blue	E	FITC	17374	16766	-4	2.23	946	8.03
Blue	D	PE	22653	22004	-3	1.83	995	7.28
Blue	B	PerCP-Cy5-5	64987	63576	-3	2.50	1681	11.52
Blue	A	PE-Cy7	74081	72750	-2	3.51	964	21.77
Red	C	APC	61430	61048	-1	2.36	3447	7.55
Red	A	APC-Cy7	88289	87849	-1	2.44	1736	7.50
Violet	B	V450	12535	12081	-4	3.13	748	7.32
Violet	A	V500	47468	46727	-2	2.79	2642	5.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20270	4.93	574	-5	N/A	N/A	Pass
Blue	F	SSC	62342	1.58	492	3	N/A	N/A	Pass
Blue	E	FITC	103	31.40	508	-1	0.0306	12	Pass
Blue	D	PE	207	21.80	501	0	0.2034	103	Pass
Blue	B	PerCP-Cy5-5	205	35.30	580	0	0.0145	12	Pass
Blue	A	PE-Cy7	74	85.07	637	0	0.0194	10	Pass
Red	C	APC	323	25.47	569	-1	0.0248	88	Pass
Red	A	APC-Cy7	110	37.44	546	0	0.0054	1072	Pass
Violet	B	V450	79	37.44	456	7	0.0562	1613	Pass
Violet	A	V500	173	18.53	484	6	0.0183	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.40	-31.22	0.80
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.22
Red	17.59	13.07 - 19.61	N/A	N/A	31.92	32.06	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10188

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments